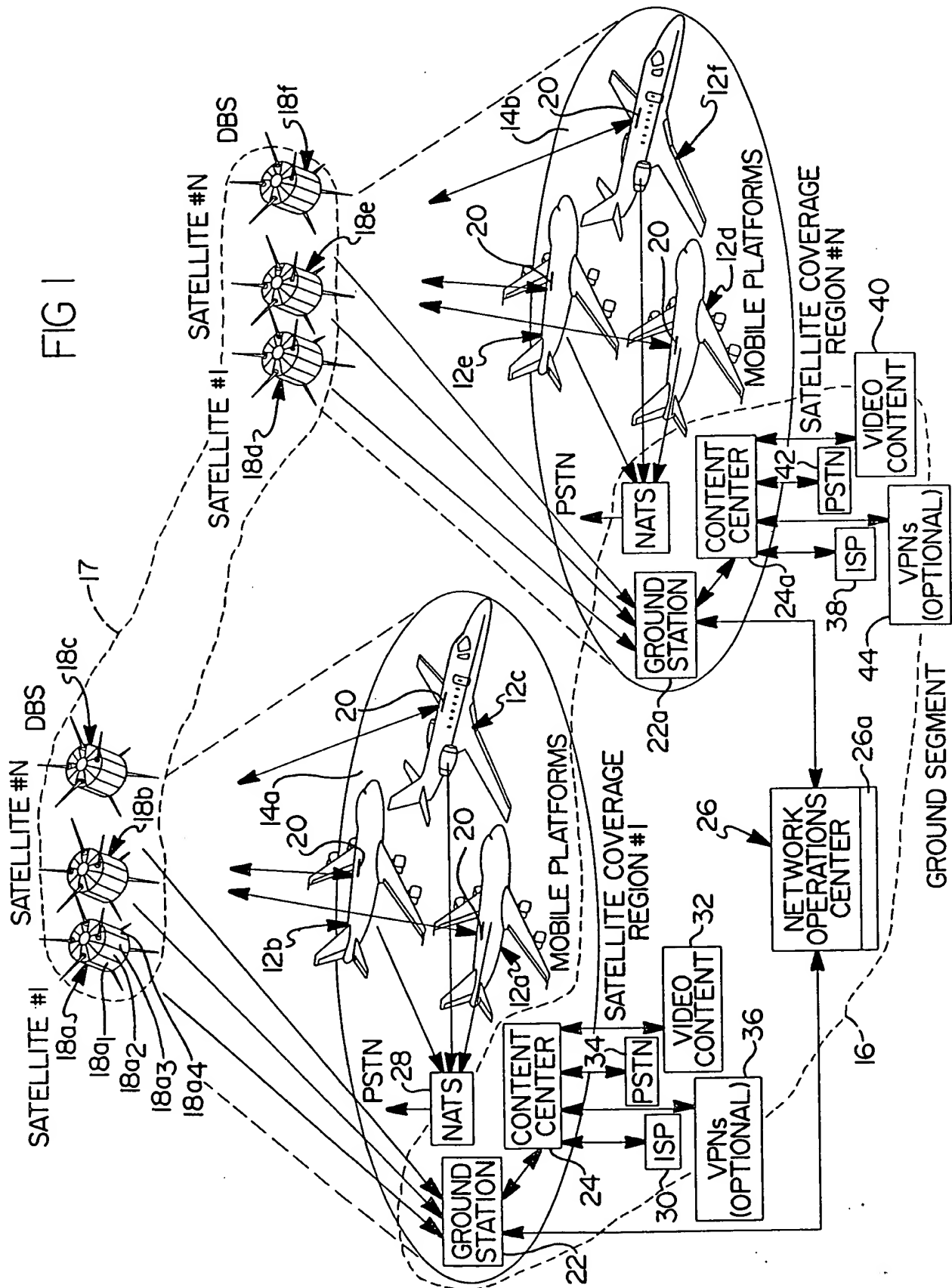


161



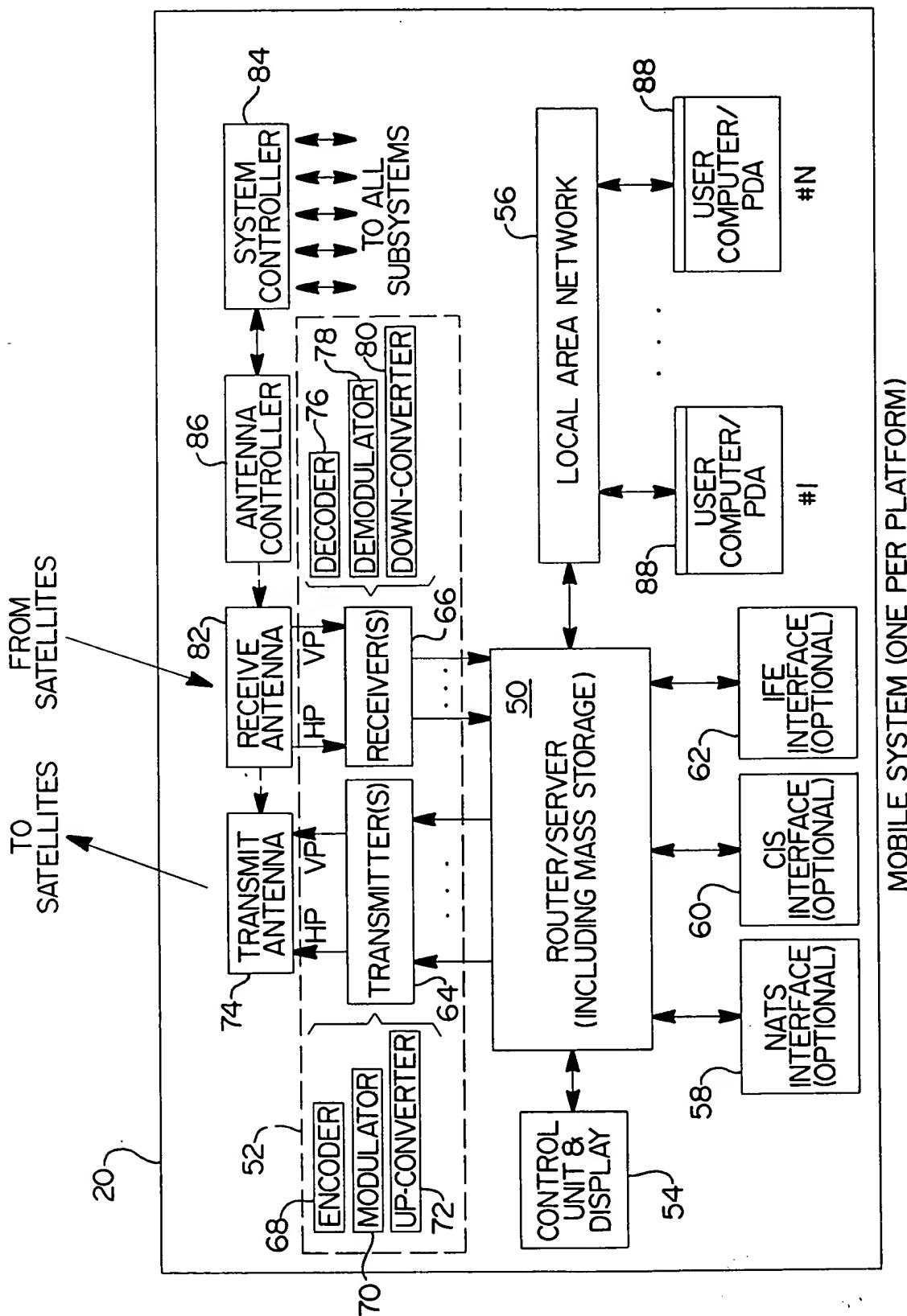


FIG 2

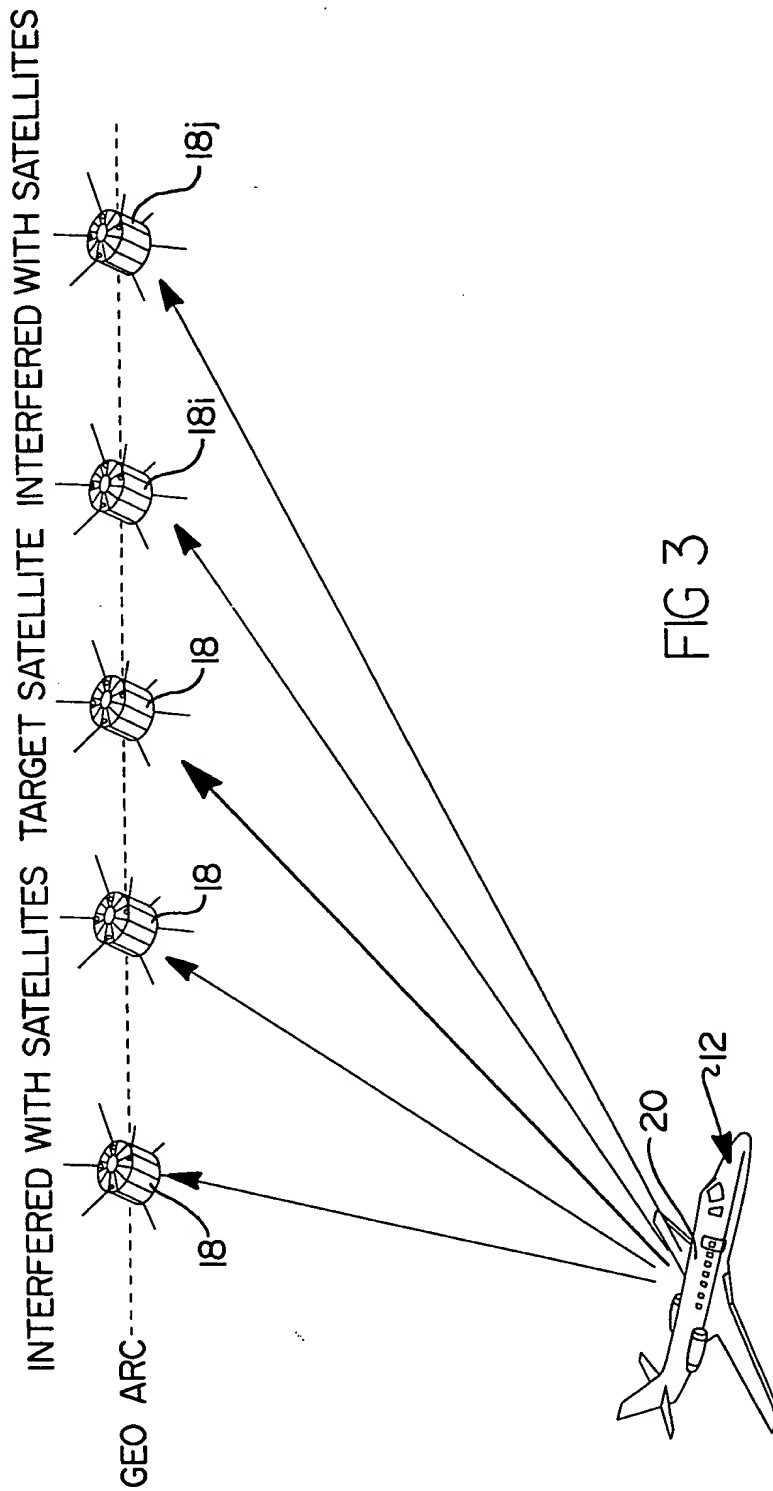


FIG 3

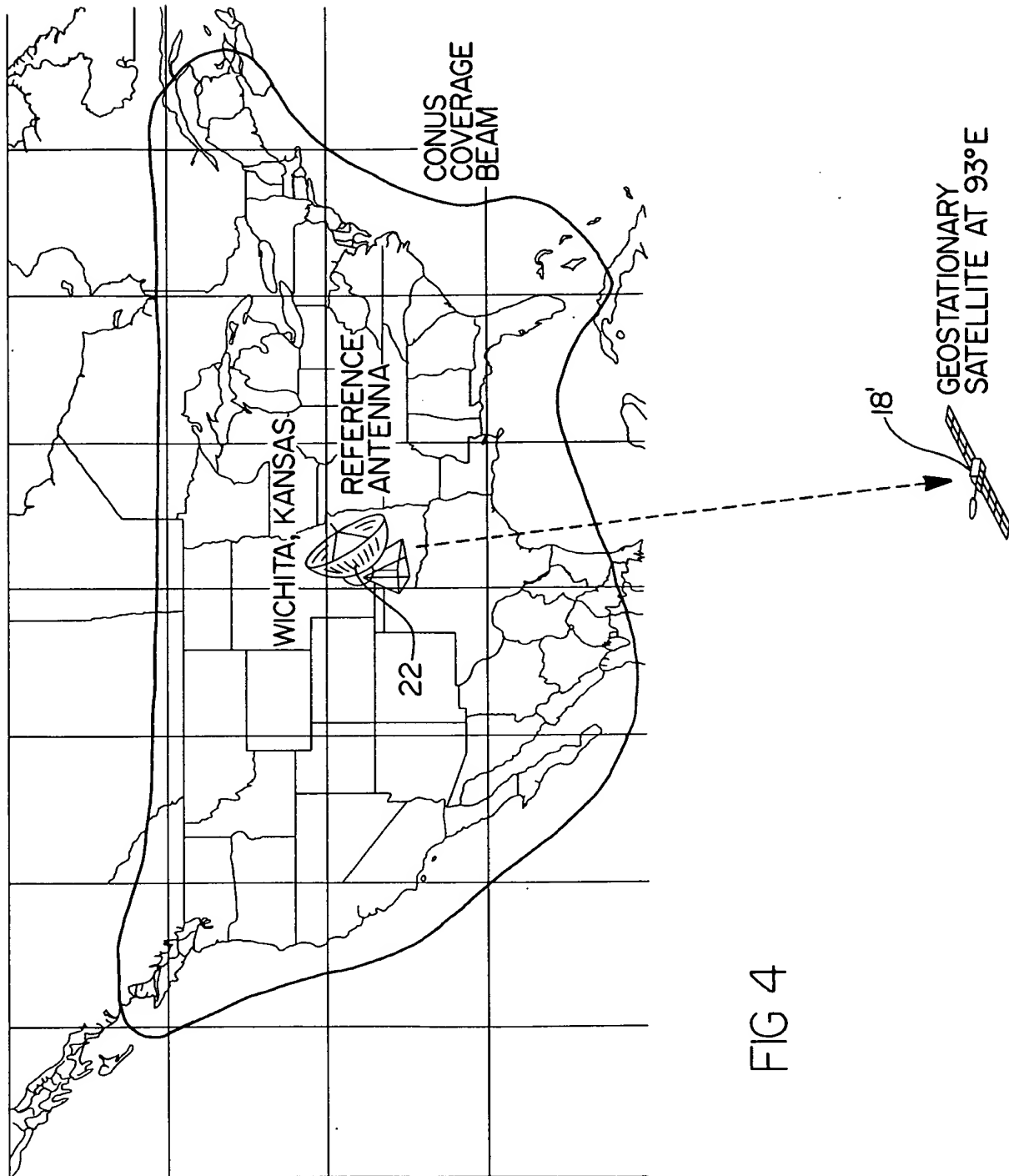


FIG 4

FIG 5

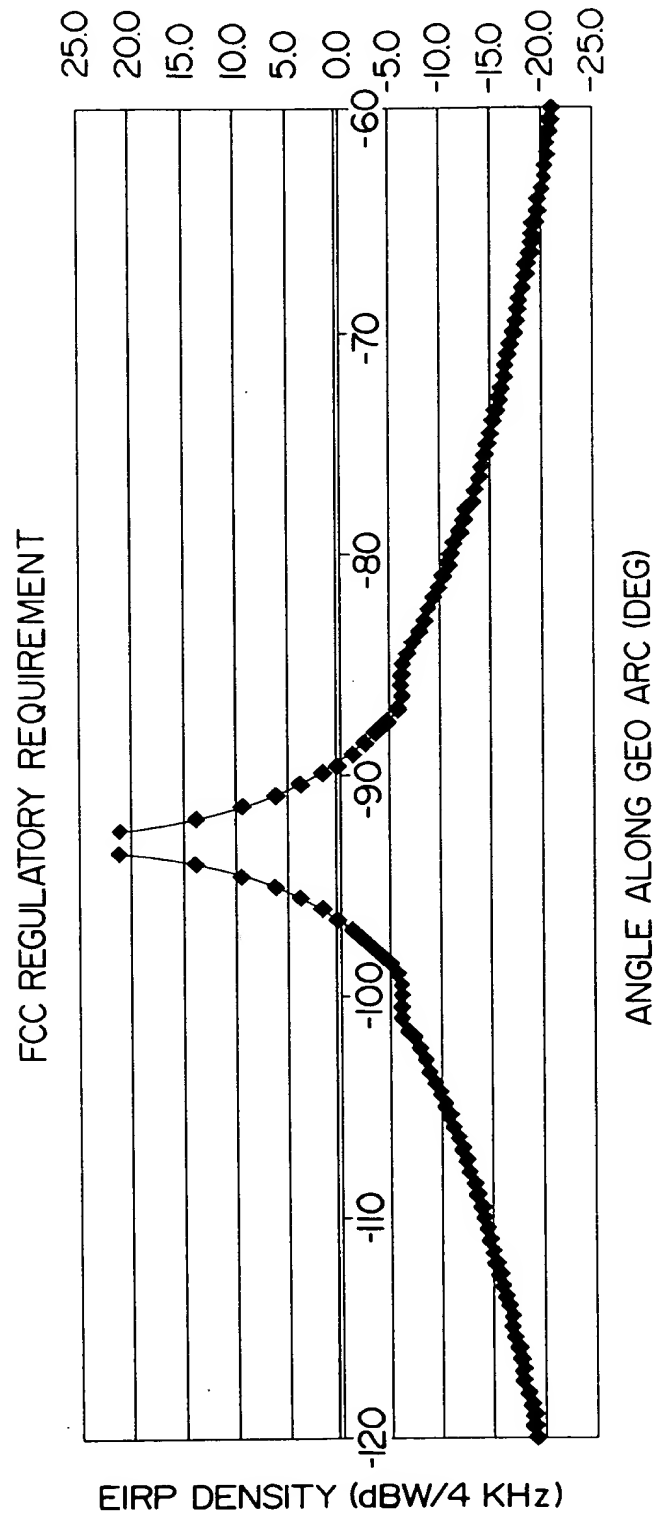
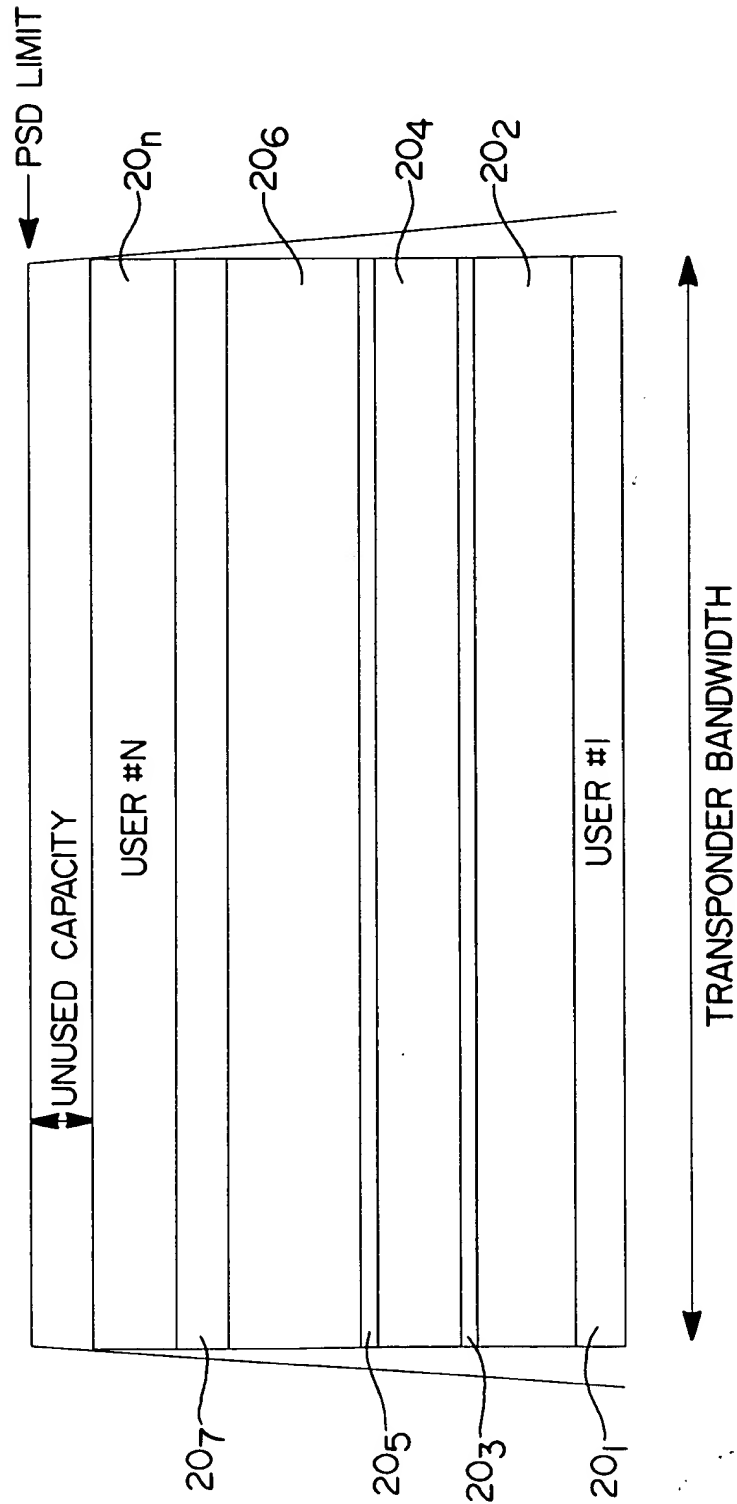


FIG 6



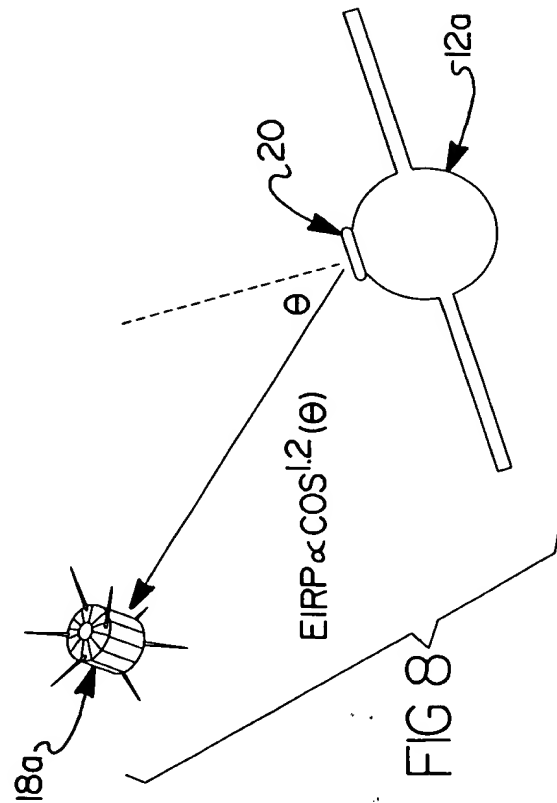
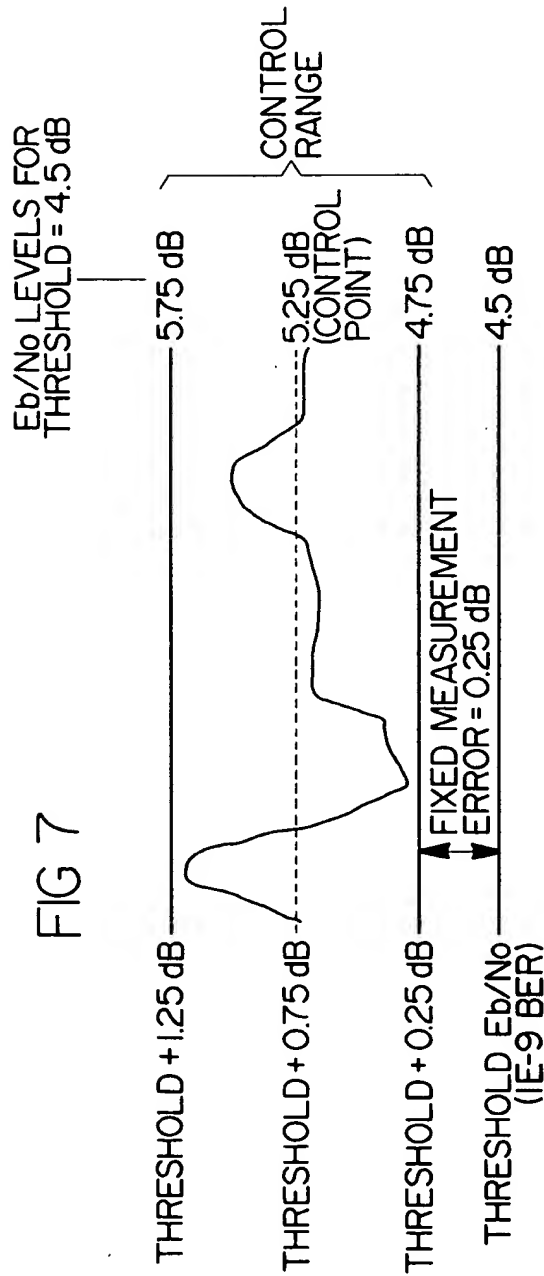
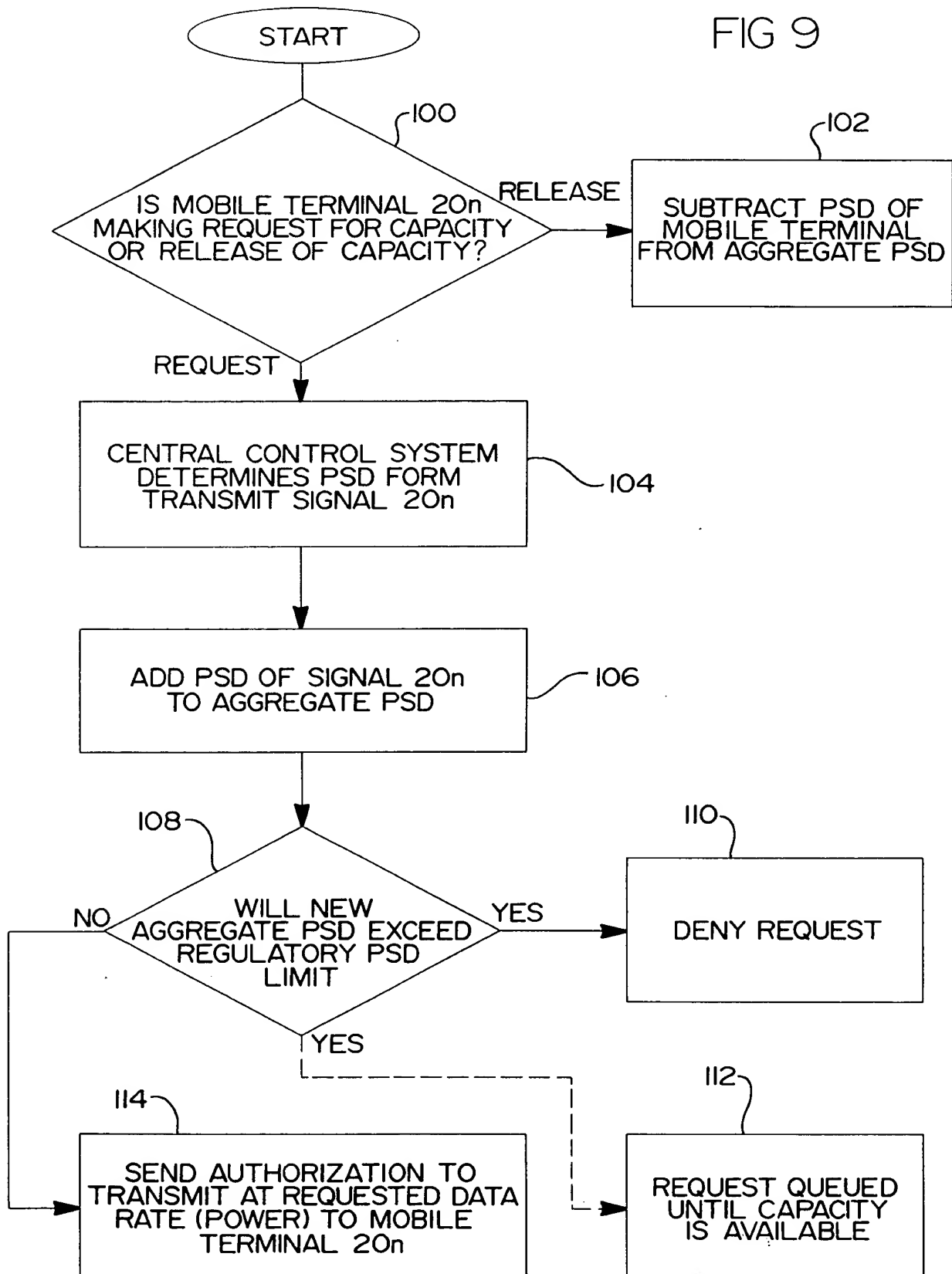


FIG 9



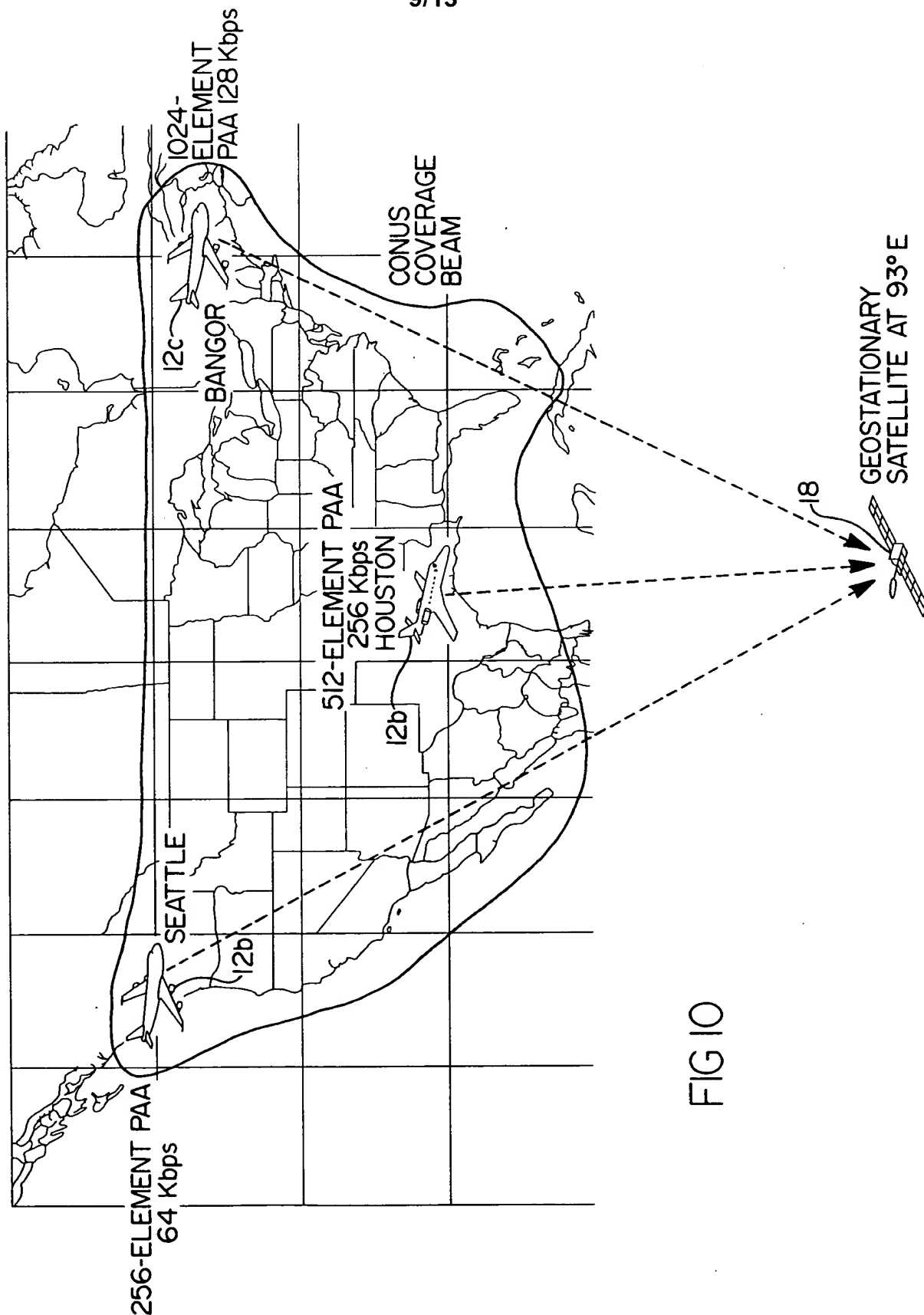
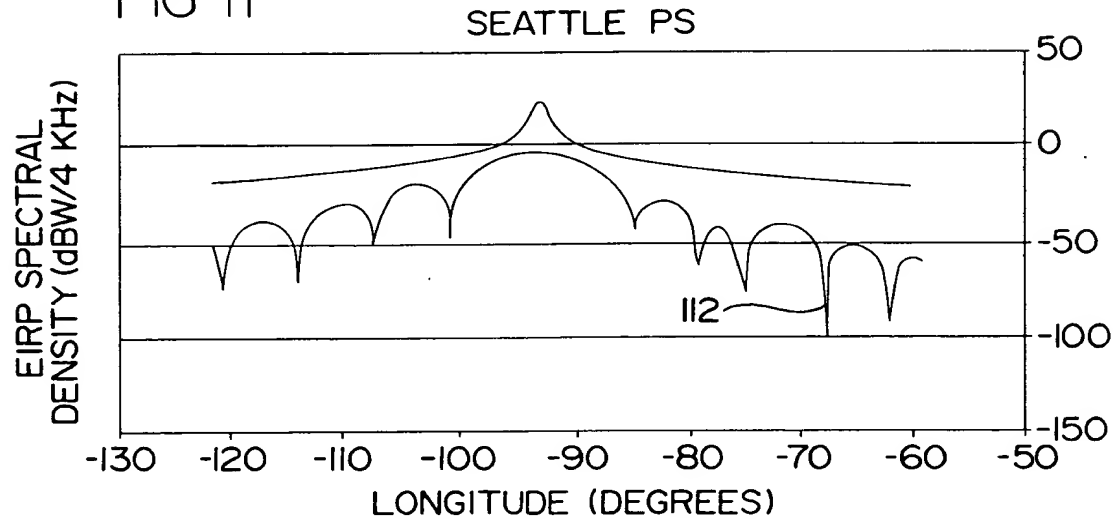


FIG 10

256 ELEMENT
PHASED ARRAY ANTENNA,
34 dBW, 64 Kbps, SEATTLE

FIG 11



512 ELEMENT
PHASED ARRAY ANTENNA,
39 dBW, 256 Kbps, HOUSTON

HOUSTON PSD

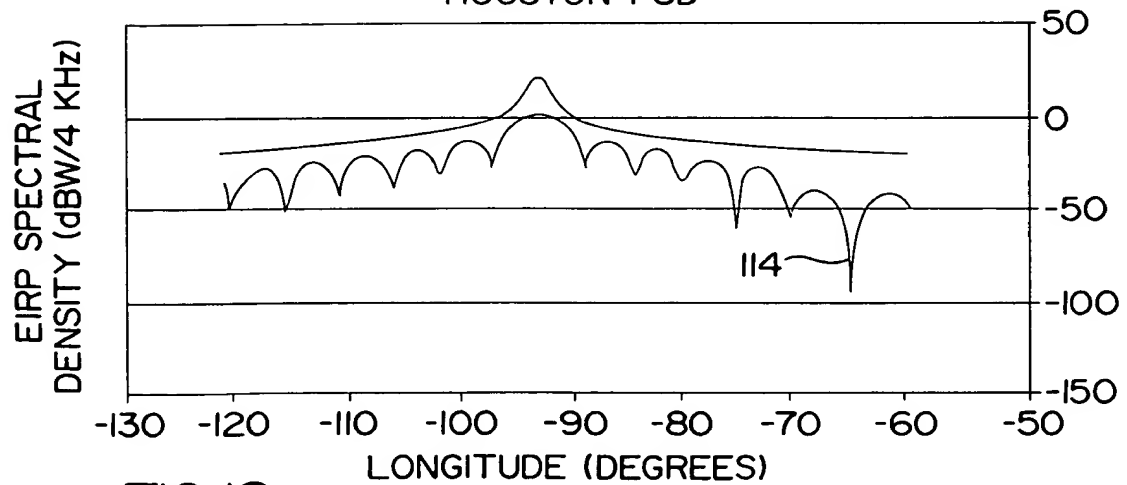
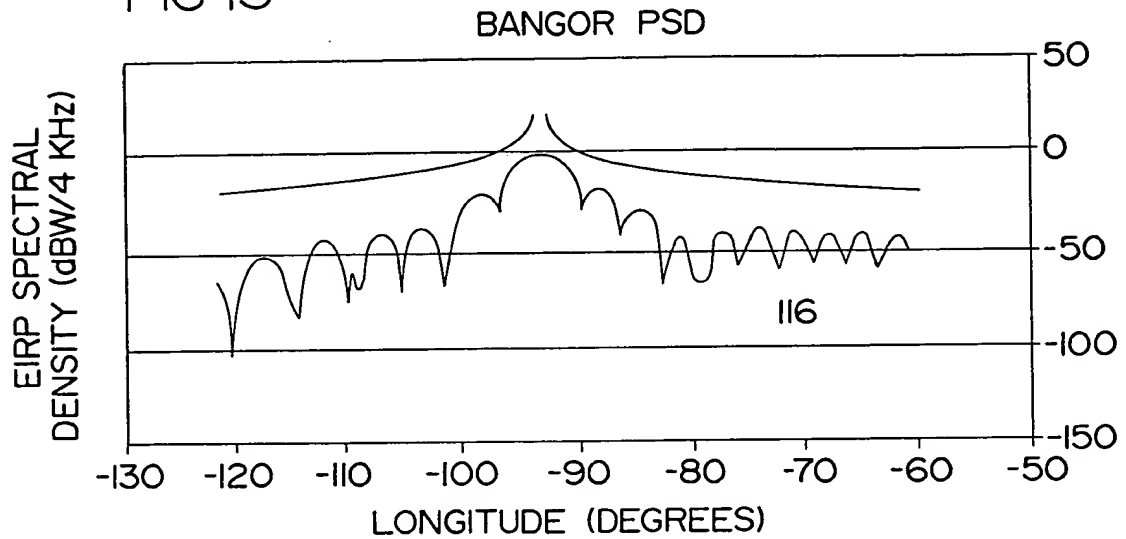


FIG 12

1024 ELEMENT
PHASED ARRAY ANTENNA,
37 dBW, 128 Kbps, BANGOR

FIG 13



AGGREGATE PSD
FROM 3 DIFFERENT
USER TERMINALS

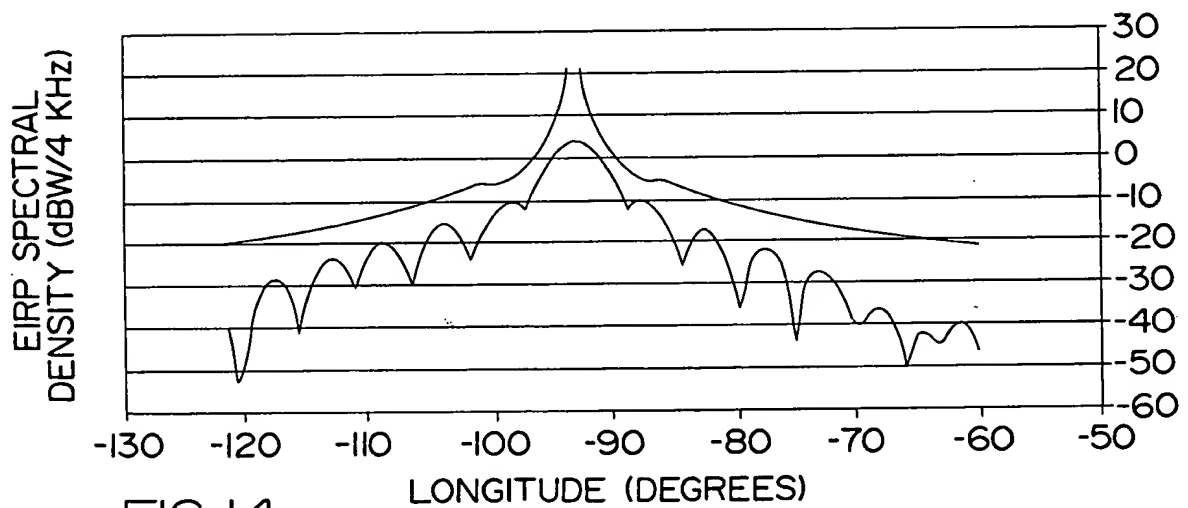


FIG 14

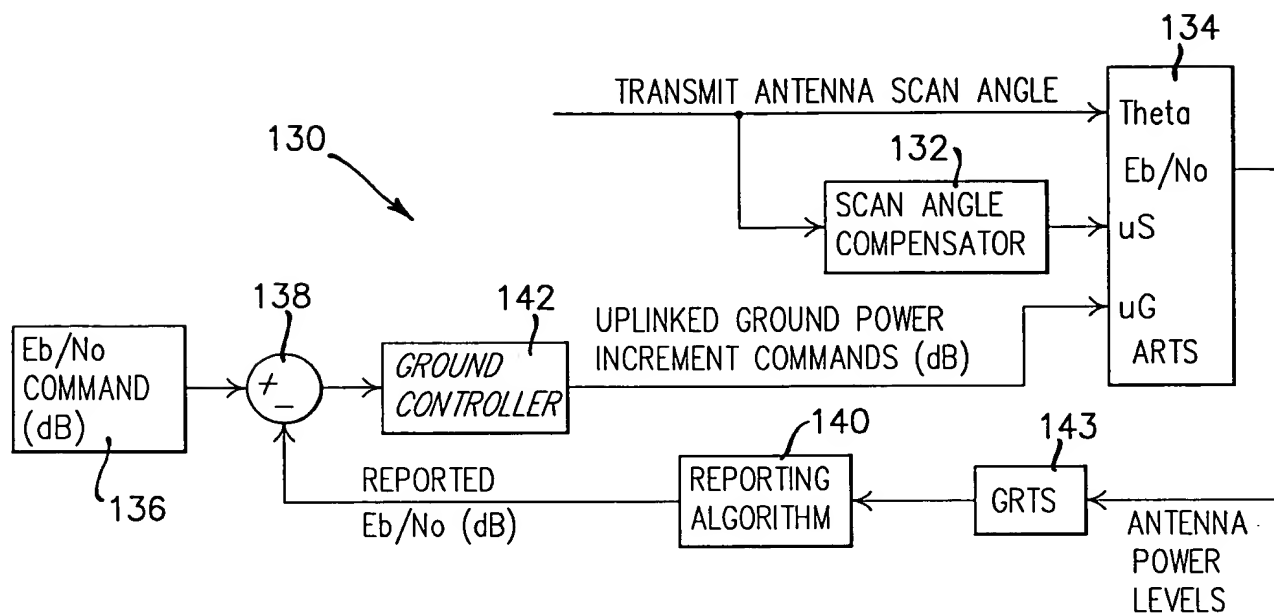


FIG 15

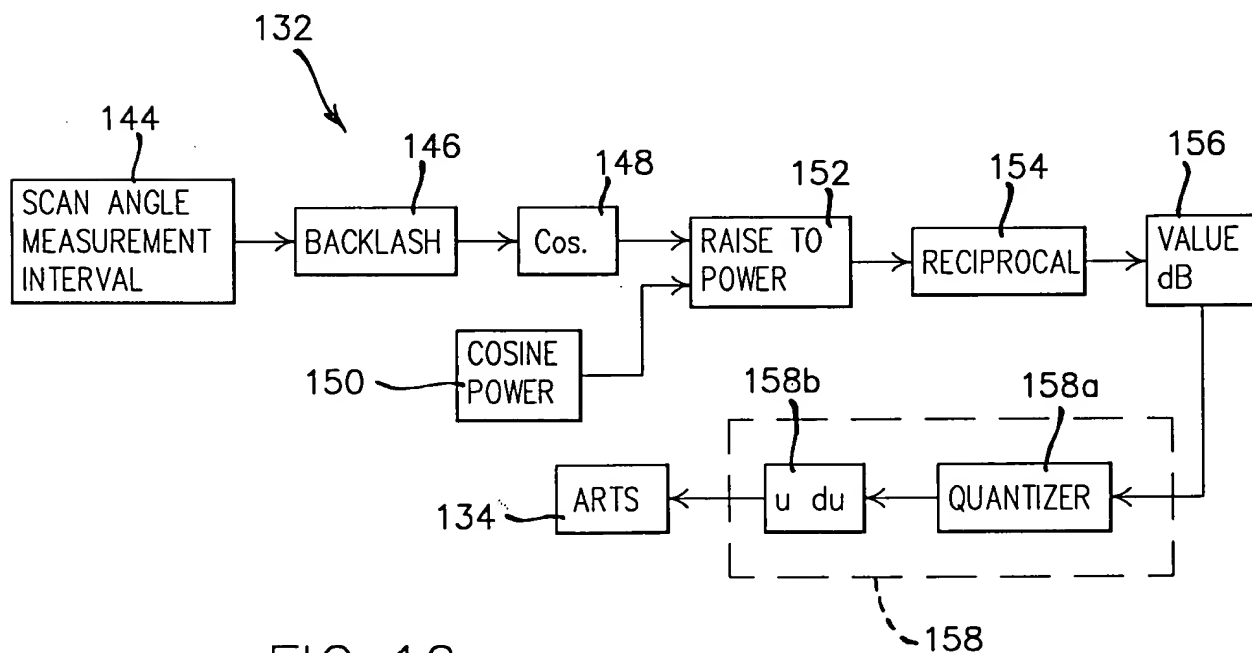
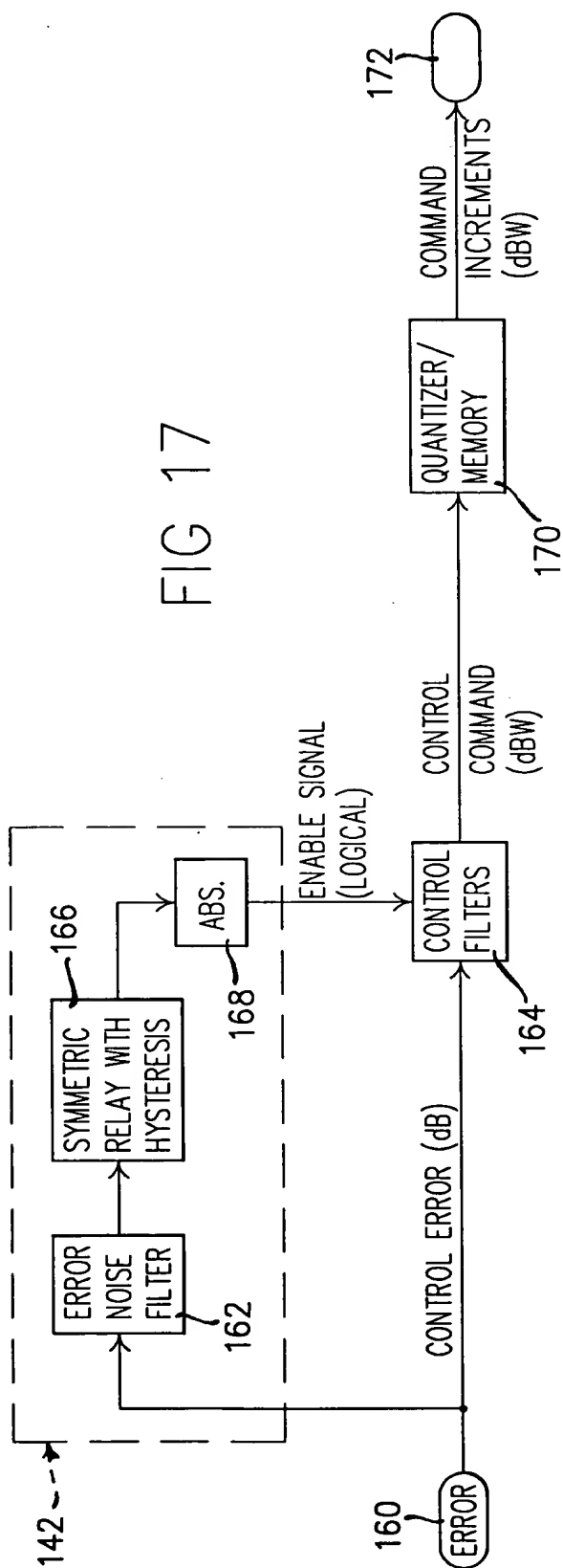


FIG 16



18
F/G

